compensatory revenue for them. These new spaces would be vacated when the original interconnection spaces are re-occupied. The new space should not be created and offered free of charge to interconnectors just because of the emergency situation.

Lincoln would agree that the interconnector should be allowed to move to another central office if the original interconnection space is unrepairable within 90 days. However, the requirement that such a decision be made within three days of a catastrophic event would be unwarranted interference with Lincoln's management of its network and should not be required. Any move to another office needs to be conditioned on the other office being designated as available for expanded interconnection, and on there being enough unused space in that office for the interconnector. Again, the interconnector should pay its portion of the expense of preparing the new office for interconnection and installation of interconnector-owned facilities. This situation is no different than when the original office was designated as available for Expanded Interconnection. The interconnector bears the same risk as Lincoln bears in regards to destruction of facilities and, as a result, should bear a proportionate amount in the repair of the same facilities.

Paragraph 54 (b) 2)

In the event that both the interconnector's space and the central office are unusable, Lincoln could agree to decide within seven (7) days to provide alternative facilities in another central office. Provision of this space within seven (7) days cannot be guaranteed. Such relocation is predicated on the ability of the interconnector to lay facilities to a new point of interconnection within that time. The other facility must also have sufficient space for the interconnection space. Lincoln will restore service to all customers, including interconnectors, as soon as possible after the emergency situation is stabilized. Lincoln recognizes that it is responsible for repairs to the interconnection space and will restore the interconnector's facilities within the same time frame as its other repairs to Lincoln's facilities.

Lincoln would agree to waive nonrecurring charges only as currently required by its tariff. Nonrecurring costs for any temporary interconnection space should be paid by the interconnectors using that space.

Lincoln would allow the interconnector to have the right to terminate the collocation agreement without penalty and relocate to another central office if a permanent space is not available within 90 days. The interconnector must pay its share of site preparation and the cost of installing its new facilities. Due to the emergency nature of such relocation, the costs of preparing the new interconnection space may differ from those required for a less urgent construction project. As long as neither Lincoln nor the interconnector is responsible for the accident, each party should pay for repair of its own facilities.

In the event the interconnector is responsible for causing the catastrophic event, the interconnector should pay for restoration of Lincoln's and other interconnectors' (including customers of either) property and facilities in addition to its own restoration expenses. The interconnector would also be responsible for any loss of revenue to all parties involved as a result of the event.

J. Are the LECs' relocation provisions reasonable?

<u>Paragraphs 57 (a) & 57 (b)</u>

Sections 8.2.2 and 8.2.11(J)(2) of Lincoln's tariff state that relocation shall be required of an interconnector only if there is no other alternative. Lincoln shall negotiate a schedule with the interconnector for the relocation of the interconnector's facilities. No specific notice period is stated.

Under a force majeure situation, the delayed party shall give immediate notice to the other party. See Section 8.2.3.

<u>Paragraph 57 (c)</u>

Lincoln would require compensation for any work done on the interconnector's equipment at its request. Lincoln would require reimbursement of emergency restoration expenses incurred as a result of any catastrophic event affecting both Lincoln and the interconnector. Lincoln feels that both parties are each responsible for their own facilities and should pay for the maintenance of those facilities, regardless of who actually makes the repairs.

K. Are the LECs' insurance provisions reasonable?

<u>Paragraph 63 (a)</u>

Lincoln believes its insurance requirements are appropriate and reasonable. These requirements are ones that Lincoln itself meets; they are the requirements all other third parties in Lincoln's facilities meet; and they are the requirements that other companies ask of Lincoln.

Only two (2) areas treat the interconnector differently from the above. The first is a typographical error in the amount of automobile insurance required. The amount should be one million dollars ($1,000,000), not three million dollars ($3,000,000). Lincoln will change its tariff language to correct this error in a subsequent tariff filing.

The second difference is that Lincoln requires a five million dollar ($5,000,000) Commercial General Liability (CGL) policy (Section 8.2.4(A)(1)). Lincoln believes that this level of coverage is reasonable due to the great disparity of investment that Lincoln and the interconnector have at risk. Lincoln has facilities worth over eighty million dollars in the same building that the interconnector will have facilities worth less than $75,000 (based on equipment required for 100 DS-1s in the interconnection space). The fact that both investments are subject to the same hazards (risk of loss), but not the same financial risks, requires that the interconnector provide a larger surety to make the risks comparable. Lincoln also has a larger public obligation to provide service than does the interconnector. To meet those obligations in the future, Lincoln requires financial assurance that the interconnector will not damage the public network upon which so many business and individuals depend. Lincoln has no knowledge of how interconnectors manage their risks, and no knowledge of how safety and health training (if any) is conducted by the interconnectors. Compared with Lincoln's over ninety years of essentially loss-free experience, the interconnector's track record regarding liability and business behavior is effectively nonexistent. Such a track record requires more coverage due to the uncertainty of the interconnector's ability to manage its risks. The fact that the interconnector can do vastly more damage to Lincoln than Lincoln can do the interconnector also requires extra protection on Lincoln's part. Lincoln believes that its insurance levels for the interconnector reasonably protect the public network from damage.

Paragraph 63 (b)

Section 8.2.4 of Lincoln's tariff states that self-insurance is allowed provided that the program is evaluated by and is satisfactory to Lincoln.

Paragraph 63 (c)

Lincoln's only requirements regarding the rating on insurers are that the insurance company is licensed to do business in the state where expanded interconnection is offered and that the company is evaluated by and is satisfactory to Lincoln. See Section 8.2.4.

Paragraph 63 (d)

Requiring proof of insurance prior to occupation protects the shareholders and other customers of Lincoln from paying for incidents that are the responsibility of the interconnector. Lincoln could require insurance prior to commencement of construction, but this is premature in the view of Lincoln. The greater risk to the public network resides in the operation of the interconnector's equipment, not the mere existence of interconnection spaces in an office. See Lincoln's FCC No. 3, Section 8.2.4(B)2).

L. Are the LECs' liability provisions reasonable?

<u>Paragraph 66 (a)</u>

The interconnector has the right of action against Lincoln for gross negligence or willful misconduct. Lincoln has the right of action against the interconnector for physical damage to Lincoln's facilities resulting from ordinary negligence by the interconnector's employees or agents. Lincoln is also liable to the interconnector for interruption of service or interference with the operation of the interconnector's network or other damages, only through gross negligence or willful misconduct by Lincoln's employees or agents. See Section 8.2.5.

Because Lincoln does not limit the liability of the interconnector to Lincoln, the interconnector is held to the standard of ordinary care in its conduct and behavior regarding Lincoln's facilities. As described in the preceding Section K of this Direct Case, this difference in standards is just and reasonable because of the drastic difference in the value of the facilities involved, Lincoln's greater responsibility to the nation for the operation of the public network, the lack of experience of the interconnector with risk management and safety procedures over long periods of time, and the greater financial risk to Lincoln when compared to the risk of the interconnector. For these reasons, Lincoln believes this differing level of liability is just and reasonable.

M. Are the LECs' provisions regarding whether to bill from their state or interstate expanded interconnection tariffs reasonable?

Paragraph 68 (a)

This paragraph is not applicable to Lincoln since Lincoln does not tariff intrastate expanded interconnection.

N. Are the LECs' provisions regarding letters of agency reasonable?

Paragraphs 72 (a), 72 (b), & 72 (c)

Lincoln has no language preventing customers from using letters of agency. In the past, Lincoln has had end users employ letters of agency in the provisioning of end-to-end service.

O. Are the LECs' provisions regarding inspections of interconnector space and facilities reasonable?

Paragraph 77 (a)

Lincoln's inspection provisions allow for periodic and irregular inspection, for safety and tariff verification purposes, of interconnection spaces. The interconnector is notified in advance of such inspections and has the right to be present during the inspection. There is no charge for these inspections.

P. Should LECs be permitted to include provisions regarding payment of taxes and similar assessments by interconnectors?

Paragraph 78(a)

Lincoln's tariff requires that the interconnector pay all taxes and similar assessments promptly, provide Lincoln with reasonable documentation of such payment, and provide to Lincoln a copy of any resale certificates for state or federal taxes. See Lincoln's FCC No. 3, Sections 8.4.1(g) and 8.4.1(h). These reasonable requirements ensure that the civil and legal obligations of an interconnector are met and paid for by the interconnector and its customers rather than by Lincoln and Lincoln's customers.

Respectfully submitted,

THE LINCOLN TELEPHONE AND TELEGRAPH COMPANY

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Counsel for The Lincoln
Telephone Company

Exhibits

EXHIBIT 1

FLOOR SPACE CHARGES

DIRECT COST CALCULATION
Floor Space - Land and Building

	Description	Source	Indexed Value	Historical Booked
1	Indexed land and building value	Records	$17,309,915.00	$6,939,920.00
2	Environmental costs	Records	$1,610,425.00	$1,610,425.00
3	Entire building costs	Line 1 + Line 2	$18,920,340.00	$8,550,345.00
4	Total usable square footage	Records	137,592	137,592
5	Cost per square foot	Line 3 / Line 4	$137.51	$62.14
6	Switchroom environmental costs	Records	$254,109.00	$254,109.00
7	Switchroom usable square footage	Records	48,166	48,166
8	Switchroom environmental cost per square foot	Line 6 / Line 7	$5.28	$5.28
9	Total cost per square foot (Land and building only)	Line 5 + Line 8	$142.79	$67.42

DIRECT COST CALCULATION
Floor Space - Additional
Floor Space - Total

	Description	Source	Indexed Value	Historical Booked
1	AC power cost for 4 cages ($200/cage)	Records	$800.00	$800.00
2	HVAC and lighting	Records	$10,450.00	$10,450.00
3	Perimeter wall	Records	$3,000.00	$3,000.00
4	Security entrance pad	Records	$500.00	$500.00
5	Floor tile replacement	Records	$7,700.00	$7,700.00
6	Labor costs	Records	$3,494.00	$3,494.00
7	Total additional floor space costs	Sum of Line 1 through Line 6	$25,944.00	$25,944.00
8	Average projected square foot demand	DEMAND: Pg 2 Ln 3	400	400
9	Additional costs per square foot	Line 7 / Line 8	$64.86	$64.86
10	TOTAL FLOOR SPACE COST PER SQUARE FOOT	FLOOR: Pg 1 Ln 9 + Pg 2 Ln 9	$207.65	$132.28
11	Net plant - Average value over service life	Line 10 / 2	$103.83	$66.14

EXHIBIT 2

TELEPHONE PLANT INDEX

(TPI)

THE

C. A. TURNER

TELEPHONE PLANT INDEX

C. A. Turner Utility Reports

155 Gaither Drive
P. O. Box 650
Moorestown, NJ 08057
(609) 234 9200

1000 North Front Street
Suite 200
Wormleysburg, PA 17043
(717) 763 9890

An AUS Consultants Company

Bulletin No. 5

To Jan. 1, 1992

C. A. TURNER TELEPHONE PLANT INDEX
NORTH CENTRAL REGION 1973 = 100

LINE NO	PLANT IN SERVICE DESCRIPTION	FCC ACCT	COST INDEX NUMBERS 1979 Jan 1	1979 July 1	1980 Jan 1	1980 July 1	1981 Jan 1	1981 July 1	1982 Jan 1	1982 July 1	1983 Jan 1	1983 July 1	1984 Jan 1	1984 July 1	1985 Jan 1	1985 July 1	LINE NO
1	Total Plant		84	88	90	91	92	95	95	96	94	94	97	97	96	97	1
4	Motor Vehicles	2112	57	57	63	67	67	70	74	74	74	77	81	84	87	89	4
5	Aircraft	2113	56	56	62	66	66	69	73	73	73	75	80	83	86	88	5
6	Special Purpose Vehicles	2114	30	34	38	41	42	46	47	48	49	51	56	60	62	65	6
7	Garage Work Equipment	2115	36	38	42	44	46	51	51	52	53	56	61	65	67	69	7
8	Other Work Equipment	2116	50	50	52	54	55	59	59	61	62	64	67	70	71	74	8
12	Buildings	2121	24	28	31	33	35	37	38	40	42	44	47	50	52	53	12
13	Furniture	2122	43	43	46	47	50	56	56	57	57	60	64	68	70	70	13
14	Office Equipment	2123	67	67	69	69	70	75	74	76	77	79	82	85	87	88	14
15	General Purpose Computers	2124	67	67	69	69	70	75	74	76	77	79	82	85	87	88	15
20	Analog Electronic Switching	2211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
21	Digital Electronic Switching	2212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
24	Electro Mechanical Switching	2215	36	48	49	57	62	64	67	66	64	65	68	70	69	71	24
26	Operator Systems	2220	37	50	51	59	64	67	69	68	66	67	70	72	71	73	26
30	Radio Systems - Analog	22311	51	57	62	63	63	66	64	60	58	58	49	49	46	47	30
31	Radio Systems - Digital	22312	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	Circuit Equipment - Analog	22321	347	392	417	411	410	423	410	401	348	311	319	317	303	299	32
33	Circuit Equipment - Digital	22322	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
37	Public Telephone Term Eq	2351	147	150	145	145	148	153	143	144	146	158	159	164	164	165	37
40	Poles	2411	31	36	38	40	41	44	46	49	51	50	54	58	60	61	40
41	Aerial Cable - Metallic	24211	42	46	48	48	50	57	61	64	64	68	75	72	70	72	41
42	Aerial Cable - Fiber	24212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
43	Underground Cable - Metallic	24221	47	51	53	53	55	63	67	71	70	75	82	79	75	76	43
44	Underground Cable - Fiber	24222	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
45	Buried Cable - Metallic	24231	49	53	56	55	57	66	70	74	72	78	85	81	78	78	45
46	Buried Cable - Fiber	24232	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
47	Submarine Cable - Metallic	24241	40	44	47	47	49	55	58	62	62	65	71	70	69	71	47
48	Submarine Cable - Fiber	24242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
49	Intra Building Cable - Metallic	24261	42	46	48	48	50	57	60	64	63	68	74	72	70	71	49
50	Intra Building Cable - Fiber	24262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
51	Aerial Wire	2431	31	35	37	38	39	43	46	50	51	55	58	58	58	61	51
52	Conduit Systems	2441	50	53	55	57	58	60	63	64	65	65	67	70	72	74	52

LINE NO	COST INDEX NUMBERS																								LINE NO
	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974 Jan 1	1974 July 1	1975 Jan 1	1975 July 1	1976 Jan 1	1976 July 1	1977 Jan 1	1977 July 1	1978 Jan 1	1978 July 1	
1	97	96	96	94	94	94	96	96	96	98	101	101	102	105	108	113	116	115	117	120	121	123	125	128	1
2																									2
3																									3
4	88	87	87	86	86	85	85	86	88	89	92	97	99	100	102	105	116	116	123	124	131	132	140	143	4
5	86	86	85	85	84	84	84	84	86	88	91	96	99	100	102	109	119	123	128	131	136	140	146	151	5
6	66	67	67	68	70	72	74	77	81	85	89	93	96	100	103	114	130	141	147	151	158	162	171	177	6
7	70	70	71	71	72	73	76	79	82	85	90	94	96	100	114	118	134	139	143	147	153	159	165	172	7
8	75	77	78	79	79	79	81	85	88	93	98	100	100	100	100	111	118	122	119	122	124	130	131	137	8
9																									9
10																									10
11																									11
12	54	54	55	55	56	58	60	62	66	71	77	86	91	100	104	121	127	131	129	135	135	142	147	158	12
13	71	71	71	71	72	72	73	77	80	83	89	91	93	100	103	114	130	128	129	135	136	144	149	155	13
14	88	89	89	90	90	90	91	92	93	93	96	97	99	100	101	105	109	111	110	112	111	113	114	118	14
15	88	89	89	90	90	90	91	92	93	93	96	97	99	100	100	100	102	103	100	100	98	90	90	90	15
16																									16
17																									17
18																									18
19																									19
20	0	0	0	0	0	0	0	0	0	0	0	0	0	104	103	106	110	111	111	113	113	113	115	119	20
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	105	100	95	95	95	21
22																									22
23																									23
24	70	72	71	76	78	75	72	71	75	81	84	89	98	104	106	110	115	120	124	127	132	136	140	145	24
25																									25
26	71	74	73	77	79	76	72	71	76	81	85	89	98	104	106	108	111	114	117	119	121	122	125	128	26
27																									27
28																									28
29																									29
30	36	36	46	49	52	60	58	63	62	66	78	97	102	104	102	102	102	102	97	98	103	104	106	106	30
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
32	312	297	273	234	228	214	224	210	173	159	163	128	108	104	105	108	111	112	111	111	115	118	118	119	32
33	0	0	0	0	0	0	0	0	0	0	0	0	0	104	104	104	105	105	110	116	121	126	126	127	33
34																									34
35																									35
36																									36
37	165	165	165	166	166	131	122	123	120	118	108	107	108	107	106	107	110	109	109	110	111	113	115	118	37
38																									38
39																									39
40	62	62	64	64	66	67	68	72	76	79	83	89	97	107	119	130	143	155	156	158	162	165	172	178	40
41	73	72	72	70	70	73	77	81	84	88	97	97	100	107	114	125	128	124	129	134	139	142	145	149	41
42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
43	78	75	75	73	73	76	80	84	87	91	100	99	100	107	114	127	129	124	128	133	137	141	143	147	43
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44
45	80	77	76	74	74	77	81	85	88	92	102	100	100	107	114	128	130	124	127	133	137	141	143	146	45
46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
47	72	71	72	71	72	74	77	81	84	88	96	97	100	107	113	122	126	124	129	134	139	142	145	149	47
48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
49	73	71	71	70	70	73	77	81	84	88	97	97	100	107	114	125	127	124	129	134	138	142	145	149	49
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
51	63	63	65	66	67	70	73	76	79	84	92	94	100	107	113	124	128	129	132	136	139	142	141	145	51
52	75	76	77	78	79	80	82	84	85	87	90	95	101	107	111	116	125	127	132	136	141	145	153	157	52
53																									53
54																									54
55																									55
56																									

LINE NO	PLANT IN SERVICE DESCRIPTION	FCC ACCT	COST INDEX NUMBERS 1979 Jan 1	1979 July 1	1980 Jan 1	1980 July 1	1981 Jan 1	1981 July 1	1982 Jan 1	1982 July 1	1983 Jan 1	1983 July 1	1984 Jan 1	1984 July 1	1985 Jan 1	1985 July 1	LINE NO
1	Total Plant		130	135	140	145	145	149	150	151	155	158	155	152	154	156	1
2																	2
3																	3
4	Motor Vehicles	2112	149	155	162	167	178	186	195	195	201	199	203	204	206	210	4
5	Aircraft	2113	157	163	170	180	195	205	215	217	224	223	227	228	230	234	5
6	Special Purpose Vehicles	2114	187	195	206	220	231	245	254	263	266	270	271	274	274	277	6
7	Garage Work Equipment	2115	180	189	200	213	223	234	241	248	250	251	253	257	260	263	7
8	Other Work Equipment	2116	141	147	153	165	170	181	183	189	189	189	189	190	192	197	8
9																	9
10																	10
11																	11
12	Buildings	2121	163	170	180	186	191	200	199	206	204	213	214	222	228	227	12
13	Furniture	2122	160	171	174	182	187	199	210	213	215	222	224	229	232	238	13
14	Office Equipment	2123	119	123	125	130	132	136	137	140	140	143	142	142	140	142	14
15	General Purpose Computers	2124	90	90	90	90	90	90	87	83	76	69	59	48	48	48	15
16																	16
17																	17
18																	18
19																	19
20	Analog Electronic Switching	2211	122	125	130	140	149	163	168	175	183	188	193	199	202	204	20
21	Digital Electronic Switching	2212	96	96	96	96	97	97	94	90	84	77	67	57	57	57	21
22																	22
23																	23
24	Electro Mechanical Switching	2215	151	156	167	188	199	213	219	226	232	248	268	277	282	281	24
25																	25
26	Operator Systems	2220	132	136	146	157	166	176	180	185	191	197	204	211	213	215	26
27																	27
28																	28
29																	29
30	Radio Systems - Analog	22311	103	103	100	100	101	102	90	91	94	94	79	80	80	81	30
31	Radio Systems - Digital	22312	0	0	0	0	0	0	0	0	115	115	115	117	119	121	31
32	Circuit Equipment - Analog	22321	120	122	125	130	129	128	130	132	121	154	153	152	153	152	32
33	Circuit Equipment - Digital	22322	123	120	114	107	100	93	93	94	95	96	89	82	80	78	33
34																	34
35																	35
36																	36
37	Public Telephone Term Eq	2351	122	126	131	140	144	149	157	165	189	194	199	205	209	210	37
38																	38
39																	39
40	Poles	2411	191	203	214	226	235	244	249	253	257	261	264	265	272	275	40
41	Aerial Cable - Metallic	24211	155	166	178	190	188	194	198	201	204	209	206	204	214	226	41
42	Aerial Cable - Fiber	24212	0	0	0	0	0	0	0	0	134	135	129	124	116	108	42
43	Underground Cable - Metallic	24221	152	165	177	190	185	189	192	193	196	199	194	189	200	213	43
44	Underground Cable - Fiber	24222	0	0	0	0	0	0	0	0	128	130	123	117	108	99	44
45	Buried Cable - Metallic	24231	152	165	178	190	184	187	190	191	193	196	190	184	196	209	45
46	Buried Cable - Fiber	24232	0	0	0	0	0	0	0	0	127	129	122	116	107	98	46
47	Submarine Cable - Metallic	24241	155	165	175	186	188	194	199	203	207	212	211	210	219	230	47
48	Submarine Cable - Fiber	24242	0	0	0	0	0	0	0	0	144	145	141	136	130	124	48
49	Intra Building Cable - Metallic	24261	155	166	177	189	188	193	198	200	204	209	206	204	214	226	49
50	Intra Building Cable - Fiber	24262	0	0	0	0	0	0	0	0	134	136	130	124	116	108	50
51	Aerial Wire	2431	152	165	175	185	193	200	204	207	212	218	223	230	234	239	51
52	Conduit Systems	2441	162	172	179	187	195	204	211	212	219	230	234	241	246	251	52
53																	53
54																	54
55																	55
56																	56

LINE NO	COST INDEX NUMBERS 1986 Jan 1	July 1	1987 Jan 1	July 1	1988 Jan 1	July 1	1989 Jan 1	July 1	1990 Jan 1	July 1	1991 Jan 1	July 1	1992 Jan 1	July 1	LINE NO
1	154	152	153	154	148	151	157	162	161	162	164	163	164	164	1
2															2
3															3
4	215	215	227	220	221	222	231	229	236	232	244	241	254	251	4
5	238	237	233	232	231	234	234	240	246	254	261	271	273	285	5
6	278	281	283	287	289	293	298	309	298	319	325	328	333	336	6
7	264	267	268	270	273	279	286	294	298	305	309	316	318	323	7
8	199	202	204	205	206	210	215	218	221	228	230	234	235	240	8
9															9
10															10
11															11
12	231	235	236	241	243	250	261	264	258	267	266	263	260	263	12
13	242	245	248	252	255	263	269	274	278	284	287	290	291	294	13
14	141	143	143	146	147	149	151	153	154	154	152	153	153	156	14
15	48	47	47	47	45	43	37	31	30	29	26	24	23	23	15
16															16
17															17
18															18
19															19
20	205	208	210	210	204	207	210	212	214	211	212	214	213	213	20
21	57	56	56	56	52	50	45	40	39	38	36	33	33	33	21
22															22
23															23
24	283	286	287	287	278	284	289	291	291	292	296	302	303	303	24
25															25
26	216	218	219	219	213	216	217	218	218	218	220	224	224	224	26
27															27
28															28
29															29
30	77	78	82	82	80	80	81	81	81	82	81	82	84	85	30
31	122	124	126	124	117	117	117	118	118	119	116	116	117	118	31
32	147	144	145	146	140	141	142	144	145	144	145	146	147	147	32
33	68	59	49	39	36	35	35	35	33	34	34	34	37	38	33
34															34
35															35
36															36
37	211	215	217	217	204	208	210	212	214	211	212	214	213	213	37
38															38
39															39
40	280	285	289	291	272	279	284	287	292	296	301	310	317	326	40
41	223	219	221	224	222	233	252	270	268	272	277	274	280	275	41
42	105	102	105	108	92	84	82	86	86	86	87	89	89	89	42
43	208	201	203	206	207	218	241	261	257	261	265	259	263	256	43
44	96	92	95	98	82	73	71	75	74	74	75	76	75	76	44
45	203	195	196	199	201	213	237	259	254	258	262	254	258	250	45
46	95	91	94	96	81	72	69	73	72	72	73	74	73	74	46
47	229	227	231	234	228	237	252	265	265	268	274	273	281	278	47
48	122	120	124	126	111	104	102	106	106	107	108	110	112	113	48
49	223	219	221	225	223	233	252	269	267	271	276	273	279	275	49
50	105	102	106	108	92	84	82	87	86	86	87	89	89	90	50
51	241	243	246	246	242	254	261	269	270	274	281	284	292	297	51
52	256	260	267	269	260	267	290	297	299	297	304	301	306	309	52
53															53
54															54
55															55
56															

EXHIBIT 3

DC POWER EQUATION

COLLOCATION ELECTRICAL COSTS

The average cost per Kilowatt-Hour for A.C. power is $.04. This was used to figure the cost per year for electricity conversion to D.C. power.

The energy usage of the A.C. to D.C. battery chargers at Lincoln's central office is as follows:

$$\text{KW-Hours used/Amp D.C.} = \frac{1.732 \times \text{Volts} \times \text{Amperes} \times \text{Efficiency}}{\text{Total D.C. Amps} \times 1{,}000}$$

3-800 amp chargers 69 amp A.C./3 phase @ 480 Volts

$$\text{3-800 amp chargers} = 3 \times \frac{1.732 \times 480 \times 69 \times .9}{(3 \times 800) \times 1{,}000} = .064 \text{ KW-Hours/Amp}$$

9-400 amp chargers 30 amp A.C./3 phase @ 480 Volts

$$\text{9-400 amp chargers} = 9 \times \frac{1.732 \times 480 \times 30 \times .9}{(9 \times 400) \times 1{,}000} = .056 \text{ KW-Hours/Amp}$$

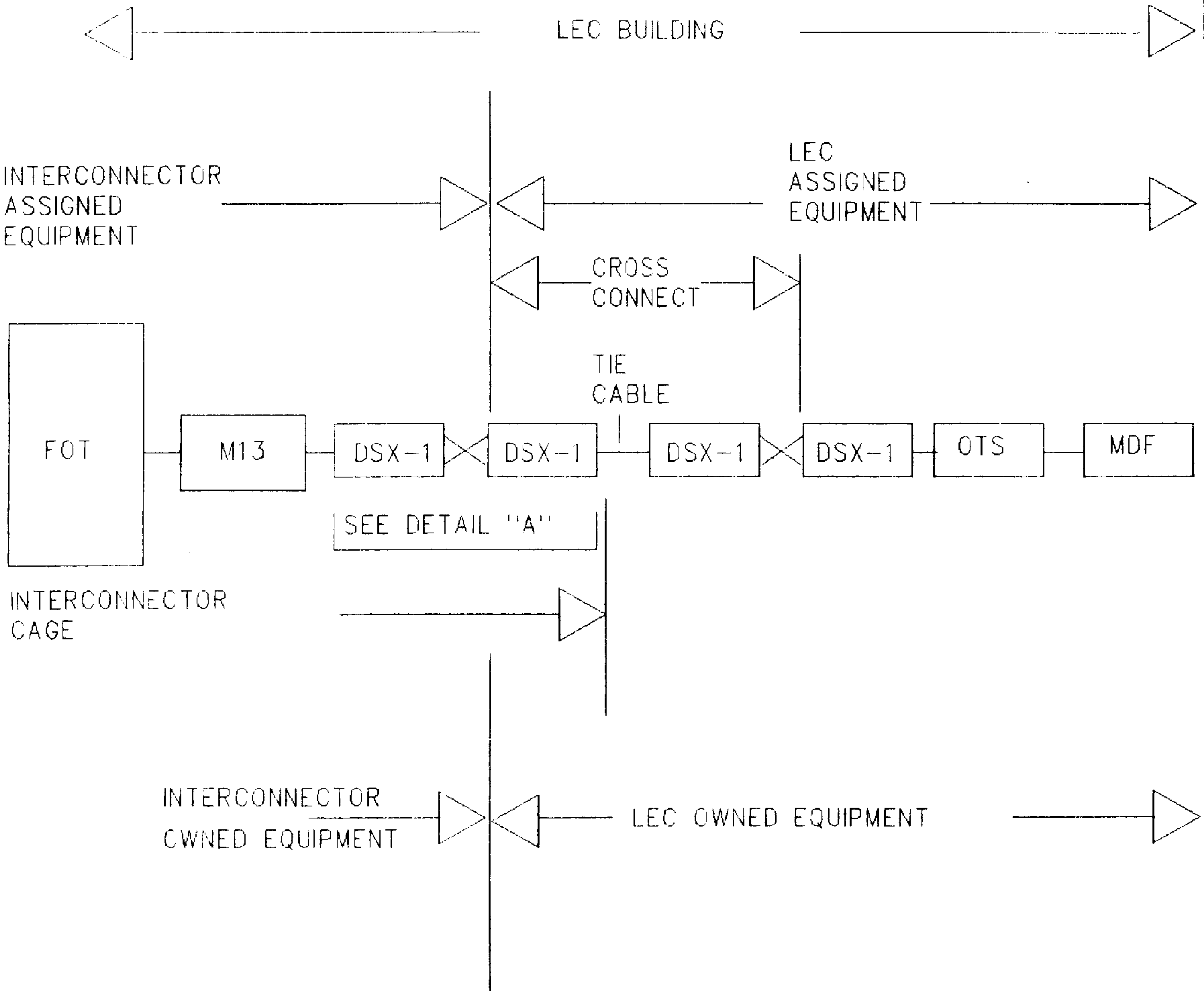
$$\text{Average energy usage for the 12 chargers} = \frac{(3 \times .064) + (9 \times .056)}{12}$$
$$= .058 \text{ KW-Hours/Amp D.C.}$$

KW-Hours/year = .058 KW-Hours x 24 Hours/Day x 365 Days/year
= 510.25 Kw-Hours/Year

Cost/Year = Cost/KW-Hour x KW-Hours
= $ .04 x 510.25
= $ 20.41 per Amp D.C. per year

EXHIBIT 4

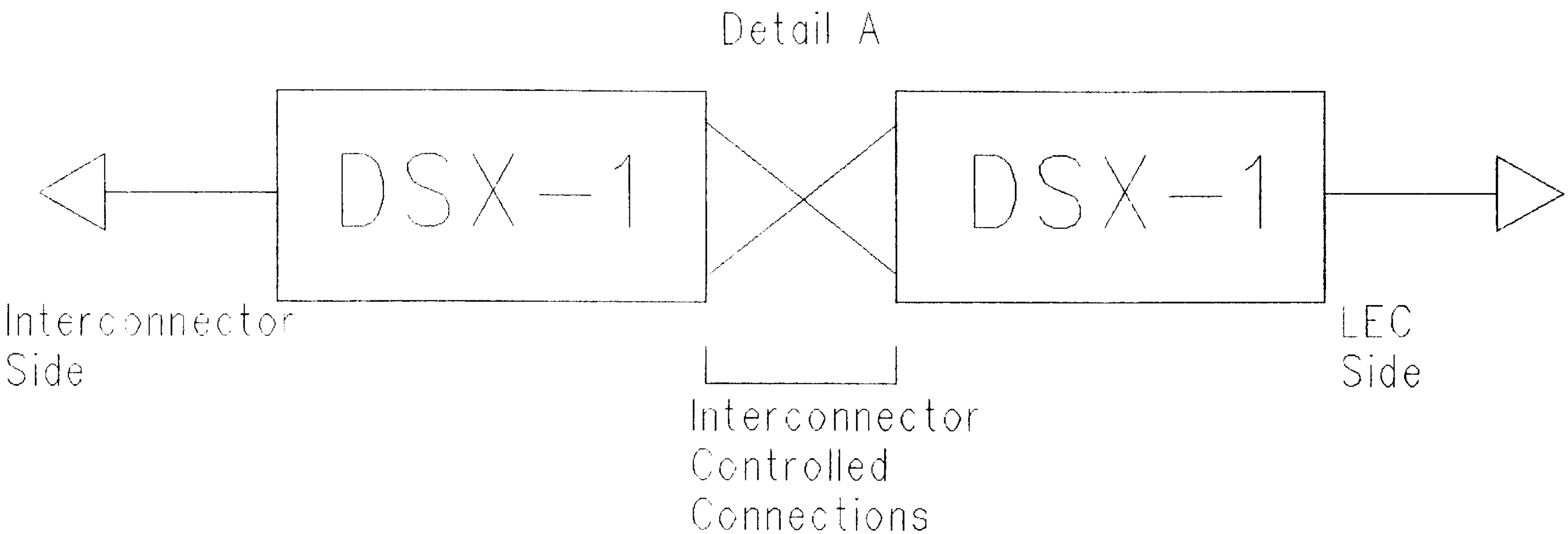
CHANNEL ASSIGNMENT DIAGRAM



LEGEND

OTS	Office Terminating Shelf
DSX-1	Digital Cross Connect Panel (DS-1)
MDF	Main Distribution Frame
M13	DS-1 to DS-3 Digital Multiplexer
FOT	Fiber Optic Terminal

Collocation Diagram - FCC
DeMarc, DSX-1, Interconnection



Notes:

1. The Interconnector has control over the DSX-1 panel as shown.
2. These DSX-1 panels allow for full Circuit Facility Assignment on the part of the Interconnector, who will make the connections between the LEC side and the Interconnector side of the DSX-1 panels.
3. DSX-1 panel interfaces are required as demarcation points for testing and verification purposes. The Panel on the LEC side is LEC provided.